

TABLE 13. Organic carbon cumulative mass and age-interval accumulation rates for cores SB1a and SB1c, St. Bernard Parish, Louisiana.

St. Bernard cores SB1a and SB1c (location: 29°58'53" N, 89°55'27" W; SB1a sampled 03/18/1996, SB1c sampled 03/20/1996).

Corrected depth intervals by age range (cm) ¹	Assignments by age interval ²	Interval period (yr)	Organic carbon cumulative mass (kg m ⁻²) ³		Organic carbon accumulation rate (kg m ⁻² yr ⁻¹) ⁴	
			SB1a	SB1c	SB1a	SB1c ⁴
0-15	1964-96	32	3.85	4.99	0.12	0.16
15-28	1952-64	12	7.16	9.20	0.28	0.35
28-52	1905-52	47	13.04	16.71	0.13	0.16
52-85	1830-1905	75	23.40	27.53	0.14	0.14
85-127	870 yr BP-1830	704	--	41.50	--	0.02-0.02
127-166	1140-870 yr BP	270	--	53.76	--	0.03-0.08
166-236	1920-1140	780	--	75.73	--	0.02-0.03
236-265	1980-1920	60	--	85.25	--	0.06-xxx ⁵
265-305	2360-1980	380	--	98.24	--	0.03-0.05
305-345	2670-2360	310	--	113.85	--	0.04-0.08
345-384	3180-2670	510	--	129.37	--	0.03-0.04

¹Depths corrected for compaction, 6.8% (core SB1a) and 29.1% (core SB1c). Depths for 1964 (15 cm) and 1952 (28 cm) were taken from ¹⁴C data (fig. 6) for core SB1a and used both for cores SB1a and SB1c.

²Ages determined from radiocarbon analysis and diagnostic stratigraphic markers. Greatest uncertainty in ages between 85 and 195 cm (see section *Data Interpretation and Summary*).

³Organic carbon (OC) cumulative mass = **S** (OC x bulk density x 10000) / 1000.

⁴Minimum and maximum accumulation rates are reported for intervals in SB1c below 85 cm based on the errors in ¹⁴C age determinations (table 1).

⁵A maximum accumulation rate cannot be calculated for this interval because the ages for the interval boundaries "cross over". The assigned ages of 1980 yr BP and 1920 yr BP may not be statistically different.

Source: U.S. Geological Survey Open-File Report 98-36. **Carbon storage and late Holocene chronostratigraphy of a Mississippi River deltaic marsh, St. Bernard Parish, Louisiana** (H.W. Markewich, ed.). Last Updated on 2/5/98 by Gary R. Buell